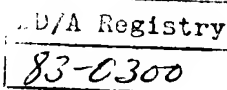D/ODP

ODP-83-091
20 January 1983

MEMORANDUM FOR: Deputy Director for Administration

THROUGH   :   Chief, Interactive Systems Branch
                    Chief, Systems Programming Division
                    Deputy Director for Processing, ODP
                    Director of Data Processing

FROM   :   [   ]   STAT
                    Interactive Systems Branch, SPD

SUBJECT   :   Request to Appear Before a Non-Government Group

    1.   I request permission to appear before a non-Government group as
provided for in [   ]   STAT

    2.   When approved, I will speak at the SHARE 60 Conference in San
Francisco, California on February 23rd.   I will be attending the conference as
a representative of the Agency.   The audience is expected to be comprised of
about 350 persons from the United States and Canada representing organiza-
tions running large IBM computers.   The meeting will be held in the San
Francisco Hilton Hotel;   the risk to employee safety is minimal.   Members of
the press are barred from attending sessions at this conference.

    3.   None of the material to be presented is classified or controversial.   I
will describe the design and implementation of AIM, a general-purpose elec-
tronic mail and document filing system developed by the Office of Data
Processing.   As the project manager responsible for the development of AIM,
I am qualified to give the presentation.   My remarks will be extemporaneous;
the outline is attached.   Slides to be used in the presentation and the paper
for the conference proceedings will be submitted for review within ODP when
completed.   The Agency is in the forefront of interactive computing tech-
nology.   It is through these presentations that we are able to attract skilled
computer scientists to the Agency, as well as to influence the decisions of the
computer vendors upon whom we are dependent.

STAT

    4.   I [   ] will be identified as an Agency employee.
I will also give the standard disclaimer that the views presented are my own
and not necessarily those of the Agency.

83-0300

SUBJECT: Request to Appear Before a Non-Government Group

STAT

Attachment

TITLE OF PRESENTATION: The AIM Mail System at the CIA

APPROVED:

STAT

28 JAN 1983
_____
Date

for Harry E. Fitzwater, DDA
_____
                                           Date

ODP/P/SPD/ISB   20 January 1983/EXREQ83D

STAT

Dist:
   Orig - Addressee (Orig to be returned to Originator)

ILLEGIB
      2 - DDA
      2 - D/ODP
      1 - C/PAB/OEXA
      1 - C/EAB/SSD/OS w/Form 879
      1 - VM/SP Project
      2 - ODP/Registry
      3 - ODP/SPD

Attachment

I.   Abstract

II.   History

       A.   Why we needed AIM
       B.   How AIM developed

III. Initial design

       A.   What we wanted at first
       B.   CENTRAL virtual machine
       C.   Menu mode
       D.   Database format

IV. Major design changes

       A.   Syntax
       B.   Elimination of menu mode
       C.   Database format changes

V.   System overview

       A.   PROC services
       B.   VMCF communications
       C.   General facilities
           1. Folders
              a. INBOX
              b. OUTBOX
              c. Other folders
              d. Folder sharing
           2. Documents
              a. Sending documents
              b. Document routing
              c. Models
              d. Alias files
              e. Document sharing - copy and duplicate
           3. Available commands
       D.   Dependencies
       E.   AIM administrators
       F.   Backup

VI. Technical details

       A.   CENTRAL task structure
       B.   User side task structure
       C.   Locks
       D.   The database structure
       E.   The file handler

F.   Interpreter
G.   How it works - what happens when:
   1.   a user enters AIM
   2.   a folder is opened
   3.   a document is created & filed
   4.   a document is sent
   5.   a document is erased
H.   The AIM directory
I.   The AIMSYS command
J.   Backup

VII.   AIM performance

A.   Initial database format
B.   Current database format
C.   Number of concurrent users

VIII.   User acceptance

A.   Management commitment
B.   ODP usage
C.   Training

IX.   Future development

A.   Multiple CENTRAL virtual machines
B.   Multiple real machines (SSI)
C.   Calendar facilities

X.   Summary